Amended Claims Showing Changes Made

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We claim:

1. (Currently Amended) A [[process]] method for treating [[gas,]] water, sediment, or soil containing [[heavy metals]] pollutants by the step of contacting the [[heavy metal]] pollutant containing [[gas,]] water, sediment, fractured rock, or soil with a multi-functional sequestration agent [[selected from the group consisting of]] comprising bauxite [[and modified bauxite]] in its relatively natural form.

comprising bauxite [[and modified bauxite]] in its relatively natural form.
2. Cancelled.
3. Cancelled.
4. Cancelled.
5. Cancelled.
6. Cancelled.
7. (Currently Amended) The method according to Claim 1, wherein said multi-
functional sequestration agent [[ore]] is formed into a permeable vertical barrier.
8. (Original) The method according to Claim 1, wherein said multi-functional
sequestration agent is formed into a permeable horizontal barrier or cap.
9. (Original) The method according to Claim 1, wherein said multi-functional
sequestration agent is mixed with the environmental media to be cleaned.

10. (Original) A method for removing or inactivating microorganisms in an emission or in the environment comprising contacting the microorganism with a mineral selected from bauxite, copper ores, and mixtures thereof.

11. (New) The method according to claims 1 or 10 wherein said bauxite is crushed.

- 12. (New) The method according to claims 1 or 10 wherein said bauxite is granular.
- 13. (New) The method according to claims 1 or 10 wherein said bauxite is a powder.
- 14. (New) The method according to claims 1 or 10 wherein said bauxite is installed as a subsurface mineral ore barrier.
- 15. (New) The method according to claims 1 or 10 wherein said bauxite is in a permeable barrier.
- 16 (New) The method according to claim 15, wherein said permeable barrier is installed in the path of groundwater flow.
- 17. (New) The method according to claims 1 or 10 wherein said water is groundwater.
- 18. (New) The method according to claims 1 or 10 wherein said water is surface water.
- 19. (New) The method according to claims 1 or 10 wherein said contacting is by mixing said bauxite with said water, sediment, fractured rock, or soil.
- 20. (New) The method according to claim 1, wherein the pollutant is a heavy metal.
- 21. (New) A sequester for treating water, sediment, fractured rock, or soil containing heavy metals comprising: bauxite in its relatively natural form mixed with said water, sediment, or soil.

- 22. (New) The sequester according to claim 21, wherein said bauxite comprises granulated or powdered bauxite.
- 23. (New) A permeable barrier for preventing migration of pollutants comprising: a multi-functional sequestration agent comprising bauxite in its relatively natural form.
- 24. (New) The permeable barrier according to claim 23, wherein said bauxite comprises granulated or powdered bauxite.